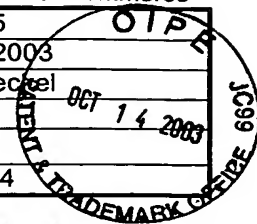


Please type a plus sign (+) inside this box [+]

Patent and Trademark Office: U.S. Department of Commerce

0001/PTO Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office	Application Number	10/634,565
		Filing Date	August 5, 2003
		First Named Inventor	Scott P. Heckel
		Group Art Unit	
		Examiner Name	
TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Attorney Docket Number	4191-00314
Total Number of pages in this Submission	50+		



ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Response <input type="checkbox"/> After final <input type="checkbox"/> Affidavits/Declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement/PTO-1449 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ <input type="checkbox"/> Incomplete Application <input type="checkbox"/> Response to Missing Parts Under 37.1.52 or 1.53 <input type="checkbox"/> Request to Rescind Previous Nonpublication Request	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CDs _____	<input type="checkbox"/> After Allowance Communication To Group <input type="checkbox"/> Appeal Communication to Board Of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosure(s) (Please identify below) Return receipt postcard
REMARKS:		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm Or Individual Name	Michael E. Taken (Reg. No. 28,120) ANDRUS, SCEALES, STARKE & SAWALL, LLP 100 East Wisconsin Avenue, Suite 1100, Milwaukee, WI 53202
Signature	<i>Michael E. Taken</i>
Date	10/10/03

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Mail Stop - No Fee, P.O. Box 1450, Alexandria, VA 22313-1450 on the <u>10th</u> day of October, 2003.			
Typed or printed name	Jo Ann Kuczynski		
Signature	<i>Jo Ann Kuczynski</i>	Date	10-10-03



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

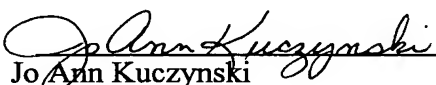
Appln. No. : 10/634,565
Applicant : Scott P. Heckel
Filed : August 5, 2003
Title : Corona Discharge
Electrode Assembly For
Electrostatic Precipitator

TC/A.U. :
Examiner :

Docket No. : 4191-00314

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Mail Stop - No Fee, P.O. Box 1450, Alexandria, VA 22313-1450 on the 10th day of October, 2003

 10-10-03
Jo Ann Kuczynski Date

INFORMATION DISCLOSURE STATEMENT

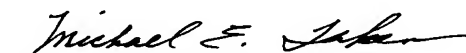
Commissioner for Patents
Mail Stop - No Fee
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

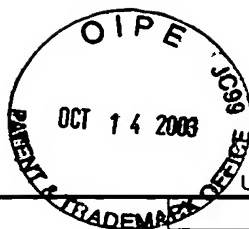
Enclosed are copies of the references listed on the attached "Information Disclosure Statement By Applicant" PTO Form 1449.

Respectfully submitted,

ANDRUS, SCEALES, STARKE & SAWALL, LLP


Michael E. Taken
Reg. No. 28,120

Andrus, Sceales, Starke & Sawall, LLP
100 East Wisconsin Avenue
Milwaukee, WI 53202
(414) 271-7590



Please type a plus sign (+) inside this box [+]

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO				Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number		10/634,565	
				Filing Date		August 5, 2003	
				First Named Inventor		Scott P. Heckel	
				Group Art Unit			
				Examiner Name			
Sheet	1	of	2	Attorney Docket number		4191-00314	

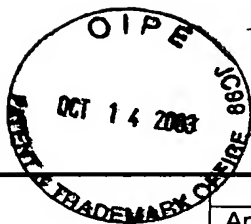
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		1,605,648	11/8/1926	Cooke			
		2,085,349	6/29/1937	Wintermute			
		3,668,835	6/13/1972	Vicard			
		3,755,991	9/4/1973	Steuernagel			
		3,910,779	10/7/1975	Penney			
		3,999,964	12/28/1976	Carr			
		4,202,674	5/13/1980	Rodenberger et al.			
		4,222,748	9/16/1980	Argo et al.			
		4,239,514	12/16/1980	Junkers			
		4,381,927	5/13/1983	Noll			

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		307 656	10/18/1919	Germany				
		0 044 361	1/27/1982	EPO				
		3 702 469	8/11/1988	Germany				
		3 930 872	3/28/1991	Germany				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)		
		<i>Mechanical design considerations for dry precipitators</i> , Applied Electrostatic Precipitation, F. Knuttsen and K. R. Parker, December 1997, pgs. 89-112
		<i>Applied Electrostatic Precipitation</i> , edited by K. R. Parker, 1997, pgs. 1-8

Examiner Signature		Date Considered	
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to client.			

Please type a plus sign (+) inside this box [+]



PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

Application Number	10/634,565
Filing Date	August 5, 2003
First Named Inventor	Scott P. Heckel
Group Art Unit	
Examiner Name	
Attorney Docket number	4191-00314

Sheet 2 of 2

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,478,613	10/23/1984	Brettschneider et al.			
	5,911,213	6/15/1999	Ahlborn et al.			
	5,934,261	8/10/1999	Schumann et al.			
	6,221,136	4/14/2001	Liu et al.			
	6,348,103	2/19/2002	Ahlborn et al.			
	6,364,941	4/2/2002	Liu et al.			
	6,527,821	3/4/2003	Liu et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	00/30755	6/2/2000	WIPO				

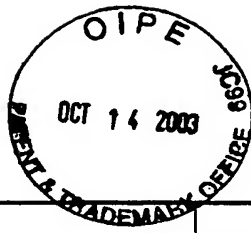
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner
Signature

Date

Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to client.



Please type a plus sign (+) inside this box [+]

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/634,565
				Filing Date	August 5, 2003
				First Named Inventor	Scott P. Heckel
				Group Art Unit	
Examiner Name					
Sheet	1	of	2	Attorney Docket number	4191-00314

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		1,605,648	11/8/1926	Cooke			
		2,085,349	6/29/1937	Wintermute			
		3,668,835	6/13/1972	Vicard			
		3,755,991	9/4/1973	Steuernagel			
		3,910,779	10/7/1975	Penney			
		3,999,964	12/28/1976	Carr			
		4,202,674	5/13/1980	Rodenberger et al.			
		4,222,748	9/16/1980	Argo et al.			
		4,239,514	12/16/1980	Junkers			
		4,381,927	5/13/1983	Noll			

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		307 656	10/18/1919	Germany				
		0 044 361	1/27/1982	EPO				
		3 702 469	8/11/1988	Germany				
		3 930 872	3/28/1991	Germany				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)		
		<i>Mechanical design considerations for dry precipitators</i> , Applied Electrostatic Precipitation, F. Knuttsen and K. R. Parker, December 1997, pgs. 89-112
		<i>Applied Electrostatic Precipitation</i> , edited by K. R. Parker, 1997, pgs. 1-8

Examiner Signature		Date Considered	
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to client.</p>			

Please type a plus sign (+) inside this box [+]



PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/634,565
				Filing Date	August 5, 2003
				First Named Inventor	Scott P. Heckel
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket number	4191-00314

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,478,613	10/23/1984	Brettschneider et al.			
		5,911,213	6/15/1999	Ahlborn et al.			
		5,934,261	8/10/1999	Schumann et al.			
		6,221,136	4/14/2001	Liu et al.			
		6,348,103	2/19/2002	Ahlborn et al.			
		6,364,941	4/2/2002	Liu et al.			
		6,527,821	3/4/2003	Liu et al.			

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		00/30755	6/2/2000	WIPO				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Signature		Date Considered	
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to client.			